



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 7

Test Date: March 2009
Code: 10161176
SAU: Biddeford School Department
School: Biddeford Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

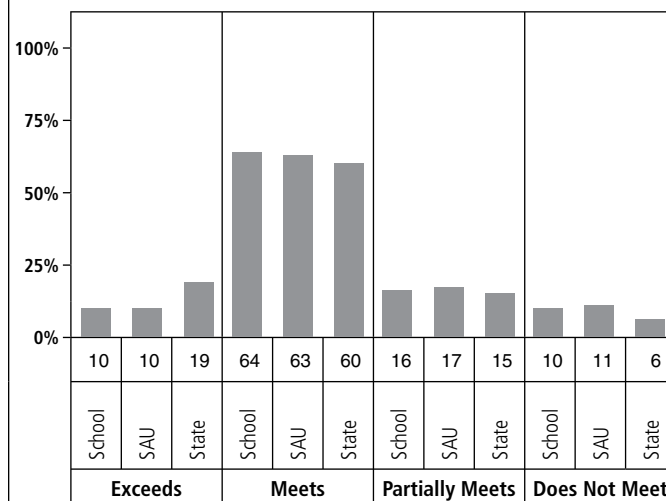
SUMMARY OF SCORES

Test Date: March 2009
Grade: 7
SAU: Biddeford School Department
School: Biddeford Middle School

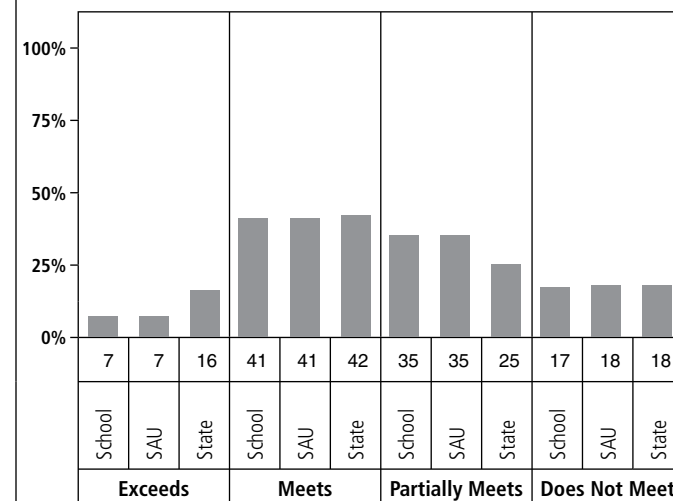
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	745	745	748
2007–2008	749	748	750
2008–2009	747	747	751
Cum. Avg.*	747	747	750
Mathematics			
2006–2007	736	736	742
2007–2008	742	741	743
2008–2009	740	740	745
Cum. Avg.*	739	739	743

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 7
SAU: Biddeford School Department
School: Biddeford Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	191	100	195	100	14446	100	187	99	191	99	14316	99	187	99	191	99	14322	99						
Ethnicity African American/Black	3	2	3	2	432	3	3	100	3	100	416	97	3	100	3	100	421	98						
American Indian or Native Alaskan	0	0	0	0	124	1	0	0	0	0	121	98	0	0	0	0	122	99						
Asian or Pacific Islander	5	3	5	3	260	2	5	100	5	100	255	98	5	100	5	100	259	100						
Hispanic	2	1	3	2	147	1	2	100	3	100	144	99	2	100	3	100	144	99						
Caucasian/White	181	95	184	94	13483	93	177	99	180	99	13380	99	177	99	180	99	13376	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	32	17	36	18	2428	17	30	94	34	94	2391	99	30	94	34	94	2391	99						
Current LEP	6	3	6	3	334	2	6	100	6	100	318	95	6	100	6	100	328	98						
Economically disadvantaged	84	44	87	45	5498	38	82	99	85	99	5431	99	82	99	85	99	5436	99						
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						School		SAU		State	
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	164	86	165	85	11742	81	164	86	165	85	11754	81						
Identified disability (PET/IEP)	8	5	9	5	367	3	8	5	9	5	365	3						
LEP	6	4	6	4	168	1	6	4	6	4	169	1						
504 plan	2	1	2	1	183	2	2	1	2	1	187	2						
Participation with accommodations	20	10	22	11	2367	16	20	10	22	11	2366	16						
Identified disability (PET/IEP)	19	95	21	95	1819	77	19	95	21	95	1824	77						
LEP	0	0	0	0	143	6	0	0	0	0	154	7						
504 plan	0	0	0	0	84	4	0	0	0	0	80	3						
Other	1	5	1	5	358	15	1	5	1	5	346	15						
Participation through alternate assessment (PAAP)	3	2	4	2	205	1	3	2	4	2	202	1						
Identified disability (PET/IEP)	3	100	4	100	205	100	3	100	4	100	202	100						
LEP	0	0	0	0	5	2	0	0	0	0	5	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0												
Approved non-participation – special consideration	2	1	2	1	33	0	2	1	2	1	32	0						
Non-participation – other	2	1	2	1	97	1	2	1	2	1	92	1						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 7
SAU: Biddeford School Department
School: Biddeford Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 762–780)	2006-2007	16	8	16	8	2630	18
	2007-2008	33	17	33	16	2604	18
	2008-2009	18	10	18	10	2618	19
	Cum. Total*	67	12	67	11	7852	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 742–760)	2006-2007	100	51	100	50	7605	51
	2007-2008	114	57	114	57	8049	55
	2008-2009	118	64	118	63	8484	60
	Cum. Total*	332	57	332	57	24138	56
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 730–740)	2006-2007	60	30	60	30	3000	20
	2007-2008	33	17	33	16	2672	18
	2008-2009	30	16	31	17	2108	15
	Cum. Total*	123	21	124	21	7780	18
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 700–728)	2006-2007	21	11	23	12	1620	11
	2007-2008	19	10	21	10	1190	8
	2008-2009	18	10	20	11	899	6
	Cum. Total*	58	10	64	11	3709	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	32.0	57.1	31.7	56.6	34.4	61.4
A1/A2 Interconnected Elements/Literary Text	20	36	10.9	54.5	10.8	54.0	11.8	59.0
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	21.1	58.6	20.9	58.1	22.6	62.8

The MEA assesses students’ reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 7
 SAU: Biddeford School Department
 School: Biddeford Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	184	18	10	118	64	30	16	18	10	747	187	10	63	17	11	747	14109	19	60	15	6	751
Ethnicity																						
African American/Black	3										3						409	11	49	22	18	744
American Indian or Native Alaskan	0										0						117	12	53	19	16	746
Asian or Pacific Islander	5	1	20	1	20	3	60	0	0	744	5	20	20	60	0	744	253	24	59	11	6	753
Hispanic	2										3						142	14	56	17	13	747
Caucasian/White	174	15	9	115	66	26	15	18	10	747	176	9	65	15	11	747	13188	19	61	15	6	751
Not Reported	0										0						0					
Identified disability																						
Yes	27	0	0	6	22	10	37	11	41	732	30	0	20	37	43	732	2186	2	36	35	27	737
No	157	18	11	112	71	20	13	7	4	750	157	11	71	13	4	750	11923	22	65	11	3	754
Current LEP																						
Yes	6	1	17	1	17	4	67	0	0	742	6	17	17	67	0	742	311	4	41	29	26	739
No	178	17	10	117	66	26	15	18	10	748	181	9	65	15	11	747	13798	19	61	15	6	751
Economically disadvantaged																						
Yes	80	5	6	40	50	21	26	14	18	743	83	6	48	27	19	742	5300	8	58	22	11	746
No	104	13	13	78	75	9	9	4	4	751	104	13	75	9	4	751	8809	25	61	10	4	754
Migrant																						
Yes	0										0						8	13	50	38	0	747
No	184	18	10	118	64	30	16	18	10	747	187	10	63	17	11	747	14101	19	60	15	6	751
Gender																						
Female	92	13	14	61	66	13	14	5	5	750	92	14	66	14	5	750	6993	24	61	11	4	754
Male	92	5	5	57	62	17	18	13	14	745	95	5	60	19	16	745	7116	14	60	18	8	749
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	25	0	0	13	52	7	28	5	20	739	25	0	52	28	20	739	1025	10	53	27	11	745
No	159	18	11	105	66	23	14	13	8	749	162	11	65	15	9	748	13084	19	61	14	6	752
Gifted/talented program																						
Yes	10	5	50	5	50	0	0	0	0	762	10	50	50	0	0	762	676	66	33	1	0	766
No	174	13	7	113	65	30	17	18	10	747	177	7	64	18	11	746	13433	16	61	16	7	750

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 7
SAU: Biddeford School Department
School: Biddeford Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	1	6	7	41	4	24	5	29	740	10	5	37	26	32	738	7	8	48	25	19	743
B. less than one hour	67	14	11	81	65	18	15	11	9	748	67	11	65	14	10	748	52	17	62	15	6	751
C. one to two hours	22	3	7	28	68	8	20	2	5	748	22	7	68	20	5	748	37	23	61	12	4	753
D. more than two hours	1	0	0	2	100	0	0	0	0	745	1	0	100	0	0	745	4	19	53	18	10	750
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	30	11	20	34	61	4	7	7	13	751	30	19	60	9	12	750	30	33	56	7	4	756
B. good	48	7	8	64	73	13	15	4	5	749	48	8	72	15	6	749	49	16	64	14	5	751
C. fair	20	0	0	19	53	12	33	5	14	740	19	0	53	33	14	740	19	5	59	26	10	745
D. poor	2	0	0	1	25	1	25	2	50	725	3	0	20	20	60	722	3	3	45	32	21	740
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	26	8	17	33	70	3	6	3	6	751	26	17	69	8	6	751	33	24	62	10	3	754
B. They match some of what I have learned.	54	10	10	66	67	14	14	8	8	749	54	10	67	14	9	748	52	18	62	15	5	751
C. They match just a little of what I have learned.	17	0	0	17	57	9	30	4	13	743	16	0	57	30	13	743	11	11	54	23	13	746
D. There is no match.	3	0	0	2	40	2	40	1	20	735	3	0	33	33	33	734	3	6	38	29	27	739
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	27	1	2	28	57	15	31	5	10	745	27	2	56	30	12	744	17	16	55	18	12	748
B. about the same as my regular schoolwork	60	10	9	78	72	11	10	10	9	748	59	9	71	11	9	748	65	19	62	14	5	752
C. easier than my regular schoolwork	13	7	29	12	50	3	13	2	8	752	14	28	48	12	12	751	17	22	60	13	5	752
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	14	0	0	12	48	6	24	7	28	739	14	0	46	23	31	737	9	4	44	27	24	740
B. Most of the passages were about the same as what I normally read.	56	7	7	66	65	20	20	8	8	747	55	7	65	20	8	747	54	14	63	17	5	750
C. Most of the passages were easier than what I normally read.	30	11	20	37	67	4	7	3	5	753	31	20	66	9	5	753	38	28	60	9	3	756
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	44	13	16	50	62	12	15	6	7	750	44	16	61	15	9	750	44	19	60	15	6	751
B. I tried about the same as I do on my regular schoolwork.	50	4	4	64	70	15	16	8	9	747	49	4	70	17	9	747	51	19	62	13	5	752
C. I did not try as hard on this test as I do on my regular schoolwork.	6	0	0	4	36	3	27	4	36	732	6	0	33	25	42	730	5	9	51	26	15	744
How much time do you spend reading at home each day?																						
A. more than one hour	21	7	18	25	66	4	11	2	5	753	20	18	66	11	5	753	21	27	57	11	5	755
B. 20 minutes to an hour	38	9	13	49	70	8	11	4	6	749	39	13	68	13	7	749	45	22	62	12	4	753
C. less than 20 minutes	14	1	4	12	46	10	38	3	12	743	14	4	46	38	12	743	13	13	61	17	8	749
D. I rarely read at home.	27	1	2	32	64	8	16	9	18	743	27	2	63	16	20	742	21	7	59	24	11	746
Optional school/SAU question																						
A.	13	0	0	0	0	1	100	0	0	730	13	0	0	100	0	730						
B.	13	0	0	0	0	1	100	0	0	738	13	0	0	100	0	738						
C.	50	0	0	1	25	1	25	2	50	729	50	0	25	25	50	729						
D.	25	0	0	1	50	0	0	1	50	736	25	0	50	0	50	736						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 7
SAU: Biddeford School Department
School: Biddeford Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 762–780)	2006-2007	13	7	13	7	2142	14
	2007-2008	14	7	14	7	2028	14
	2008-2009	13	7	13	7	2220	16
	Cum. Total*	40	7	40	7	6390	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 742–760)	2006-2007	52	26	52	26	5642	38
	2007-2008	89	45	89	45	5703	39
	2008-2009	76	41	76	41	5879	42
	Cum. Total*	217	38	217	37	17224	40
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 728–740)	2006-2007	77	39	77	39	4077	27
	2007-2008	64	32	64	32	3733	26
	2008-2009	64	35	65	35	3537	25
	Cum. Total*	205	35	206	35	11347	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 700–726)	2006-2007	55	28	57	29	3001	20
	2007-2008	30	15	32	16	3054	21
	2008-2009	31	17	33	18	2484	18
	Cum. Total*	116	20	122	21	8539	20

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	26.5	47.3	26.2	46.8	29.9	53.4
A. Number	14	25	6.9	49.3	6.9	49.3	7.7	55.0
B. Data	16	29	6.8	42.5	6.7	41.9	8.1	50.6
C. Geometry	12	21	6.0	50.0	6.0	50.0	6.9	57.5
D. Algebra	14	25	6.7	47.9	6.6	47.1	7.3	52.1

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 7
 SAU: Biddeford School Department
 School: Biddeford Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	184	13	7	76	41	64	35	31	17	740	187	7	41	35	18	740	14120	16	42	25	18	745
Ethnicity																						
African American/Black	3										3						416	5	26	28	41	733
American Indian or Native Alaskan	0										0						119	8	30	31	30	737
Asian or Pacific Islander	5	0	0	1	20	1	20	3	60	731	5	0	20	20	60	731	258	25	43	19	13	750
Hispanic	2										3						142	8	39	23	30	739
Caucasian/White	174	13	7	72	41	63	36	26	15	740	176	7	41	36	16	740	13185	16	42	25	17	745
Not Reported	0										0						0					
Identified disability																						
Yes	27	1	4	7	26	5	19	14	52	727	30	3	23	20	53	726	2189	2	17	27	53	728
No	157	12	8	69	44	59	38	17	11	742	157	8	44	38	11	742	11931	18	46	25	11	748
Current LEP																						
Yes	6	0	0	1	17	1	17	4	67	727	6	0	17	17	67	727	323	4	20	28	48	729
No	178	13	7	75	42	63	35	27	15	741	181	7	41	35	16	740	13797	16	42	25	17	745
Economically disadvantaged																						
Yes	80	1	1	26	33	26	33	27	34	733	83	1	31	33	35	732	5308	7	35	30	28	738
No	104	12	12	50	48	38	37	4	4	746	104	12	48	37	4	746	8812	21	46	22	11	749
Migrant																						
Yes	0										0						8	0	50	38	13	742
No	184	13	7	76	41	64	35	31	17	740	187	7	41	35	18	740	14112	16	42	25	18	745
Gender																						
Female	92	6	7	41	45	33	36	12	13	741	92	7	45	36	13	741	6992	16	43	25	16	745
Male	92	7	8	35	38	31	34	19	21	739	95	7	37	34	22	738	7128	15	41	25	19	744
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	25	0	0	4	16	11	44	10	40	728	25	0	16	44	40	728	1024	7	26	36	31	736
No	159	13	8	72	45	53	33	21	13	742	162	8	44	33	14	742	13096	16	43	24	17	745
Gifted/talented program																						
Yes	10	6	60	4	40	0	0	0	0	765	10	60	40	0	0	765	676	68	29	2	0	767
No	174	7	4	72	41	64	37	31	18	739	177	4	41	37	19	738	13444	13	42	26	18	744

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 7
SAU: Biddeford School Department
School: Biddeford Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	9	0	0	4	24	6	35	7	41	727	10	0	21	37	42	726	7	6	30	28	36	735
B. less than one hour	67	13	10	47	38	48	39	16	13	742	67	10	38	38	14	741	52	16	42	25	17	745
C. one to two hours	22	0	0	24	59	9	22	8	20	741	22	0	59	22	20	741	37	18	44	24	14	747
D. more than two hours	1	0	0	1	50	1	50	0	0	741	1	0	50	50	0	741	4	15	38	24	22	743
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	24	10	23	22	50	6	14	6	14	748	24	22	49	16	13	748	26	35	43	12	9	754
B. good	53	2	2	46	47	37	38	12	12	740	52	2	47	38	12	740	46	13	48	25	15	745
C. fair	20	1	3	6	17	19	53	10	28	732	20	3	16	51	30	731	23	3	32	37	27	737
D. poor	4	0	0	2	29	2	29	3	43	732	4	0	25	25	50	728	5	1	22	37	40	731
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	22	7	18	21	53	7	18	5	13	748	22	17	51	20	12	748	26	23	43	20	13	749
B. They match some of what I have learned.	48	6	7	42	47	32	36	9	10	742	48	7	47	36	11	742	53	15	45	26	15	746
C. They match just a little of what I have learned.	23	0	0	12	28	23	53	8	19	734	23	0	28	53	19	734	17	9	35	32	24	740
D. There is no match.	7	0	0	1	8	2	17	9	75	721	7	0	8	15	77	719	4	7	21	22	51	730
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	55	3	3	38	38	41	41	19	19	737	56	3	37	40	20	736	37	8	40	29	23	740
B. about the same as my regular schoolwork	40	8	11	33	46	21	29	10	14	744	39	11	45	30	14	744	51	16	44	25	15	746
C. easier than my regular schoolwork	5	2	22	5	56	0	0	2	22	746	5	22	56	0	22	746	12	41	35	13	11	755
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	62	10	9	48	43	39	35	15	13	742	61	9	43	35	13	742	48	14	42	27	17	744
B. I tried about the same as I do on my regular schoolwork.	34	3	5	27	44	23	37	9	15	741	36	5	42	37	17	739	47	18	43	23	16	746
C. I did not try as hard on this test as I do on my regular schoolwork.	3	0	0	0	0	1	17	5	83	712	3	0	0	17	83	712	5	14	27	25	34	738
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	9	0	0	3	19	7	44	6	38	726	10	0	17	39	44	723	8	8	30	29	33	737
B. 30–45 minutes	66	9	8	52	43	42	35	17	14	742	65	7	43	36	14	742	38	13	40	27	20	743
C. 45–60 minutes	23	4	10	19	45	13	31	6	14	742	23	10	45	31	14	742	42	20	45	23	12	748
D. more than 60 minutes	2	0	0	1	25	1	25	2	50	727	2	0	25	25	50	727	12	16	42	25	17	745
How often do you use calculators in mathematics class?																						
A. almost every day	4	0	0	2	25	1	13	5	63	727	4	0	25	13	63	727	15	19	38	25	19	745
B. two or three days a week	10	3	16	7	37	7	37	2	11	745	10	16	37	37	11	745	31	18	42	24	16	746
C. two or three times a month	20	6	17	18	50	8	22	4	11	745	20	16	47	24	13	743	26	17	43	24	17	746
D. never or almost never	66	4	3	49	40	48	40	20	17	739	65	3	40	39	17	739	28	11	42	27	19	743
How often do you use laptops in mathematics class?																						
A. almost every day	6	0	0	3	27	5	45	3	27	733	6	0	27	45	27	733	10	12	39	24	24	741
B. two or three days a week	44	12	15	34	43	31	39	3	4	746	43	15	43	39	4	746	22	13	43	26	18	744
C. two or three times each month	31	1	2	29	51	20	35	7	12	741	31	2	51	35	12	741	33	18	44	25	13	747
D. never or almost never	19	0	0	9	26	8	23	18	51	728	20	0	24	24	53	727	35	16	40	25	19	744
Optional school/SAU question																						
A.	13	0	0	0	0	0	0	1	100	720	13	0	0	0	100	720						
B.	13	0	0	1	100	0	0	0	0	758	13	0	100	0	0	758						
C.	50	0	0	0	0	1	25	3	75	713	50	0	0	25	75	713						
D.	25	0	0	0	0	2	100	0	0	733	25	0	0	100	0	733						

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